

DO NOT ENTER

Application No.: 10/783,522

Docket No.: MWS-109

AMENDMENTS TO THE CLAIMS

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Please amend claims 1, 5, 8, 11, 12, 22, 28, 32 and 35 as follows.

1. (Currently Amended) A medium holding instructions executable in a computing device ~~for modifying a model of a biological process in response to experimental results generated by an in situ experiment conducted on an experimental device~~, the instructions medium comprising:

instructions for a simulation engine generating an expected result from executing a model of the a biological process with a simulation engine; and

instructions for an analysis environment in communication with said simulation engine, said analysis environment gathering data from an in situ experiment of the biological process conducted on an said experimental device and comparing the expected result to the data gathered from said experimental device with an analysis environment that is in communication with said simulation engine;

instructions for modifying the model of the biological process based on the data gathered from the in situ experiment; and

instructions for saving the modified model in a storage.

2. (Previously Presented) The medium of claim 1 wherein said analysis environment outputs results of analysis performed by the analysis environment.

3. (Previously Presented) The medium of claim 2 wherein the analysis environment includes a graphical display for displaying the expected result generated by said simulation engine and the experimental data gathered from the device.

4. (Previously Presented) The medium of claim 1 wherein said analysis environment generates an event signal when the difference between the expected result generated by the simulation engine and the data gathered from the device exceeds a predetermined threshold.